

# NATIONAL SOLAR OBSERVATORY

## Daily Sunspot Data From Automated Analysis

USAF OSPaN 630.315nm image

CLOUDS: Ukn

CONDITION: Good

OBSERVER: *TWH*

Irradiance reduction due to sunspot  
blocking = 0.034% at 630.315nm

**03 Dec 03**  
**16:00:32 UT**

GROUPS: 7

SPOTS: 18

R-NUMBER: 88

TOTAL SPOT AREA: 606  $\mu$

THRESHHOLD: 0.92

